10. Maria had Spanish storybooks and English storybooks in the ratio 5 : 7. After she bought 34 storybooks, she had three times as many Spanish storybooks and twice as many English storybooks as before. How many storybooks did she have at first?

11. The number of Paul's toy soldiers and toy cars are in the ratio 3 : 4. If he throws away $\frac{1}{3}$ of his toy soldiers and $\frac{1}{2}$ of his toy cars, he will have 24 toy soldiers and toy cars left. How many toy soldiers and toy cars does have have altogether?

12. The ratio of Peter's money to Mark's mone was 7 : 10. After Peter bought 5 comic books at $3.60 each, the ratio of Peter's money to Mark's money was 1 : 4. How much money did Peter and Mark have left?

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SS : ES

5 : 7
    } +34

15 : 14

34 books is 17 units

2 bks/unit

12 units originally
- 2

24 books @ 1ˢᵗ

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Left   TS : TC

$(\frac{2}{3})3$: $4(\frac{1}{2})$

2 : 2
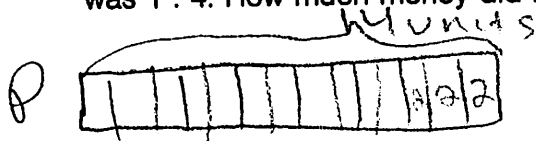
4 units is 24 left so 6/unit

(7 units) 6

42 altogether

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P_{before} : M : P_{After}

7 : 10   lcm is 20
    4 : 1

14 : 20 : 5   After

Peter goes down 9 units, after
spending 5(3.60) = $18.

$2/unit.

※ Mark doesn't Δ.
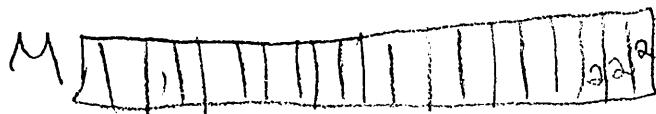
(25 units)($2/unit)

$50

17

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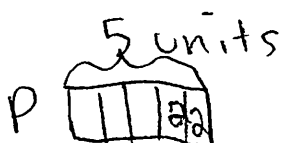
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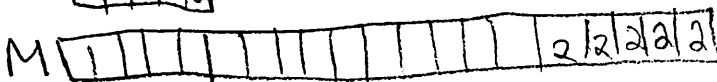
hunds

P [diagram of bar model]

M [diagram of bar model]

$5 \times 3.60 = \$18$

LCM 10 and 4 = 20

5 units
P [diagram]

M [diagram]

$14 - 5 = 9$
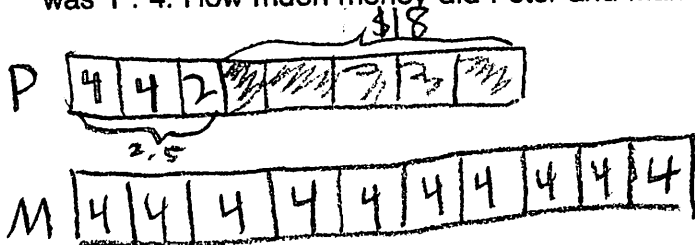
$\frac{18}{9} = \$2$

17

$5 \cdot 2 = 10$
$20 \cdot 2 = 40$

$10 + 40 = \$50$

Ryan
Silberfein

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$18

P | 4 | 4 | 2 |///|///|///|///|///|
2.5

M | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |

$50 left

-Ryohei

$3.60 \times 5 = 18$

$10 \times \frac{1}{4} = 2.5$

$7 - 2.5 = 4.5$

$18 \div 4.5 = 4$

$4 \times 10^{17} = 40$

$4 \times 2 + 2 = 10$

$40 + 10 = 50$